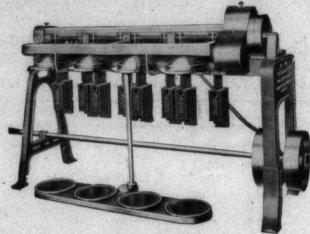
TEXTILE BULLETIN

VOL. XIV.

CHARLOTTE, N. C., THURSDAY, OCTOBER 11, 1917

NUMBER 6

SACO-LOWELL SHOPS



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Complete Waste Reworking Plants

ROGERS W. DAVIS, Southern Agent CHARLOTTE, N. C.

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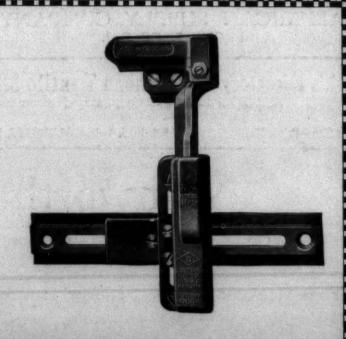
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The Greatest Improvement Made in Cotton Spinning in Quarter of a Century

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Guaranteed Claims.

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SOUTHERN EXTILE BULLETIN

VOL. XIV.

CHARLOTTE, N. C., THURSDAY, OCTOBER 11, 1917

Unconstitutionality of Keating Law

Argument of Attorney Junius Parker of New York, before Judge Jas. E. Boyd

(Continued from last week.) "The direct and necessary result of a statute must be taken into consideration in deciding as to its validity, even if that result is not in so many words either enacted or distinctly provided for. In whatever language a statute may be framed, its purpose must be determined by its natural and reasonable effects." (Collins v. New Hampshire, 171 U. S., 30, 33-34.)

As against these authorities which it seems to us are by no means in favor of the validity of the statute, but really themselves point to its invalidity, let us look at some of the adjulicated cases and expressions of courts that also deny the constitutionality of this statute at bar. It was a mere sentence used in the course of an opinion, and a sentence not necessary to have been used at all, and, therefore a dictum, that Justice Holmes used in the Pipe Line Case (234 U. S., 548, 560):

"The control of Congress over commerce among the States cannot be made a means of expensions provided by the control of the contro

ercising powers not entrusted to it by the Constitution.'

But that sentence, or part of a centence, undeniably is sound.
In 1906 Congress passed an Employers' Liability Act imposing a

liability for accidental injuries on common carriers engaged in inter-state commerce in favor of any of their employees, without qualifica-tion or restriction as to the nature of the business at the time of the The court held the Act unconstitutional, the present Chicf Justice White delivered the opin-A quotation from that opinion, it seems to me, is conclusive in the present litigation, if it is still the law. Before quoting this, it is to be noted that there is no dissent from this statement of the law there was a dissenting opinion that represented the views of four of the judges that the Act, truly construed, applied only to injuries received while in interstate commerce:

'It remains only to consider the contention which we previously quoted, that the Act is constitutional, although it embraces subjects not within the power of Congress to regulate commerce, because one who engages in interstate commerce thereby submits all his business concerns to the regulating power of Congress. To state the proposition is to refute it. It assumes that because one engages in interstate commerce he thereby endows Congress with power not delegated to it by the Con-stitution, in other words, with the right to legislate concerning matters of purely State concern. It rests upon the conception that the Constitution destroyed that freedom of commerce which it was its purpose to preserve, since it treats the right to engage in interstate commerce as a privilege which cannot be availed of except upon such conditions as Congress may pre-scribe, even although the conditions would be otherwise be yond the power of Congress. It it apparent that if the contention were well founded it would extend the power of Congress to every conceivable subject, howinherently local, would obliterate all the limitations of power imposed by the Constitution, and would destroy the authority of the States as to all conceivable matters which from the beginning have been, and must continue to be, under their control so long as the Constitution endures." (207 U. S., 50) (207 U. S., 502-

In 1898 Congress passed an act foremployee simply because of mem-

"Manifestly any rule prescrib-ed for the conduct of interstate commerce, in order to be within the competency of Congress under its power to regulate commerce among the States, must have some real or substan-tial relation to of connection with the commerce regulated. 'Ibid, p. 178.)

"Looking along at the words of the statute for the purpose of ascertaining its scope and ef-fect, and of determining its validity, we hold that there is no such connection between interstate commerce and membership in a labor organization as to authorize Congress to make it a crime against the nation for an agent of an interstate railway to discharge an employee because of such membership on his part. If such a power exists in Congress it is difficult to perceive why it might not by absolute regulation require interstate railways, under penalties, to employ in the conduct of its interstate business only members of labor organizations, or only those who are not members of such organization — a power which could not be recognized as existing under the Constitu-tion of the United States." (Ibid, p. 479.)

It is the baldest formailist to disbe jeered at. It is tantamount to goods or himself into the channels saying that while the first Employ- of interstate fransportation or trade? ers' Liability Act as it was passed—It is difficult to find a direct authwas unconstitutional because a reg- ority on a question such as this bebidding a railway engaged in inter- desired by Congress within thirty state commerce to discharge an days after such refusal, to operate trains in interstate commerce. bership in a labor organization. The in the Adair Case, the proposition is court held that the law was uncontantamount to this, that while it stitutional. common carrier engaged in interstate commerce must not discharge member of a labor union, it would be entirely constitutional and valid

State with respect to a matter other State. that has been for several years agitated: The diversity of the divorce laws among the several States has for many years caused serious thought and serious regret to serious publicists, and some have gone so far as to say that there ought to be a Constitutional amendment to put control of the matter. ment to put control of the matter of divorce into the Federal Con-gress. Why have a Constitutional amendment if this statute is valid?

Why not have Congress declare what are proper grounds for di-vorce, and then provide that no one shall engage in interstate commerce whether as passenger or as shipper, and that no employer of such person shall engage in interstate commerce, if such person has been di-vorced on any other grounds than those thought wise by Congress? After much discussion, the Senate of the United States has, by the necessary two-thirds vote, passed a tinguish the case at har from these resolution to submit to the people two cases on the ground that the act of the United States a Constitutional formally forbidden in the statutes amendment for national prohibition, held invalid by them was an act, not Presumably it is desired to prohibit of interstate commerce, whereas the the manufacture and sale of liquor of interstate commerce, whereas the the manufacture and sale of liquor act formally forbidden in the stat- so as to effectually prohibit the ute at bar is an act of interstate drinking of liquor. If this statute commerce — confessedly harmless is valid, why have a Constitutional and forbidden only because it fol- amendment? Why not provide that lows the real condemned act not of no person who has taken a drink of interstate commerce. Such a dis- liquor within thirty days, or whose tinction makes the Constitution of employee has taken a drink of the United States an instrument to liquor within thirty days, shall put be jeered at. It is tantamount to goods or himself into the channels saying that while the first Employ- of interstate transportation or trade?

ulation of intrastate as well as inter- cause it is anomalous in State or state matters, it would have been Federal legislation, so anomalous, entirely constitutional and proper to indeed, that that very fact suggests have provided that it should be un-invalidity. It would be such a lawful for any carrier which did queer thing for a State, for instance, not recognize the rule of liability to pass a statute showing its disapproval of given conduct; as, for instance, loud and profane talking at religious worship, if instead of directly forbidding that, the statute were to forbid a man riding in an automobile within thirty days after that disapproved conduct.

The following, though, seems to an employee simply because he is a us one, and a complete, authority: A State cannot, by creating a corporation, endow it with authority to to reach the same result by provid-carry on in corporate form, a busing that if would be a crime for any ness in another State. Consequent-common carrier to seek to run its ly, whether the corporation may trains in interstate trade if it had carry on business (not of interstate trade). within thirty days theretofore dis-commerce) in another State, or on charged an employee on account of what terms, and for how long, is his being a member of a labor union, dependent upon the will of the

> "The granting of the rights and privileges which constitute the franchises of a corporation being a matter resting entirely within the control of the legislature to be exercised in its good pleasure, it may be accompanied with any such condition as the legislature may deem most suifable to the public interests and iey. . . . As to a for-(Continued on page 12.)

Firth Central Station System of Card Stripping

A great many of the Southern draw neps, dust, sand and grit to the cotton mills have for years been equipped with the Dustless Card Strippers which are manufactured and sold by Wm. Firth of Boston, Mass.

It is therefore of peculiar interest which is sucked into the system.

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It is therefore of peculiar interest which is sucked into the system of the carried to the waste receiver in the claims that this gives better and cl Mass.

It is therefore of peculiar interest which is sucked into the system nished to them to learn that Wm. Firth has either into the dust receiver or the The

which required that mills must pro- machinery is an interesting fea-

It is therefore of peculiar interest which is sucked into the system hished.

The problem of dust in the card and lint in the card room and now made a further development in waste receiver, according to the way room almosphere was for years one greatly increase the health condication of the great questions in the Lantions in that room. The suction cashire cotton trade, until finally the nozzle for the cleaning of the exgovernment of England enacted laws posed portions of cards and other



Stripping Cylinder with Standard Stripping Brush Housed and Connected to Central Station Vacuum System.

his system and has attached it to a it is turned by the person operat-

this system and has attached it to a it is turned by the person operat-central station receiving apparatus, ing it.

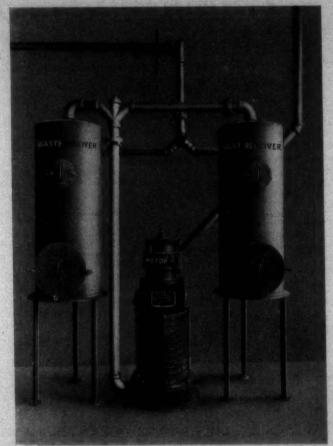
The new system is of the vacuum, suction type. It consists of a cen-suction type. It consists of a cen-stripping brush is used, but it is trained by the person operat-suction type. It consists of a cen-stripping brush is used, but it is trained by place in the mill, to which Card Stripper and this housing is waste, dirt and dust are drawn connected by a short, flexible tube to through pipes which run to each the drop inlet pipe suspended from



Cleaning Cards by Vacuum with Soft Rubber Nozzle.

erated in these pipes is sufficient to rubber suction nozzle is used,

card. The central station consists overhead. The suction separates the of two receivers, one for waste and dirt from the strips, carrying it to the other for dust, and a motor the dust receiver in the central sta-which drives a suction fan. The tion, leaving the strips in a clean, which drives a suction fan. The tion, leaving the strips in a clean, piping from this central station runs fluffy condition, thereby increasing overhead over the lines of machinoverhead over the lines of machin-ery, with drop pipes leading down to each machine. The suction gen-foot flexible tube with a special soft



Central Station Vacuum Apparatus No. 3 Machine Equipped with 5 H. P. Motor. Receivers on Legs for Convenient Emptying into Box Truck. Capacity: Full Day's Cleaning and Stripping of 100 Cards,

vide themselves with equipment ture.

which would keep down the dust. The details of the Wm. Firth cen-while the cards were being stripped, tral station stripping system can be The system now for sale by Wm. obtained by writing Wm. Firth, Bos-Firth is in use in a great many of ton, Mass., or their Southern reprethe mills in England. sentative, Milton G. Smith, Green-The Wm. Firth system strips the ville, S. C.

ONE GIRL will easily run four or five ENTWISTLE BEAM WARPERS,

BECAUSE troubles that cause frequent stoppage of other machines have been eliminated in the ENTWISTLE FOR INSTANCE, there is no trouble due to slack ends, dropped ends, or failure of stop motion, or to excessive tension or to "doubles," etc., etc.

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Arcade-Victoria Fair.

17.

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The Annual Fair of the Arcade totton Mills and Victoria Cotton Mills at Rock Hill, S. C., was an even greater success than their former fairs.

The exhibits this year were upon a larger scale than formerly and the day was thoroughly enjoyed by those who had the good fortune to be present.

Herman Cone in Service as Expert in Textiles.

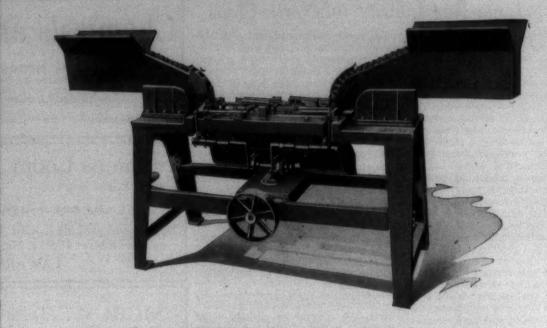
Herman Cone, oldest son of the late Ceasar Cone, head of the large cotton mill interests of Greensboro, N. C., has enlisted in federal service as a textile expert. He is now engaged in the work, being located

mear Boslon, Mass.

Mr. Cone is well qualified by his experience for the duties of the position. He served in various capacities with the Cone Mills and knows textiles. He is in the ordnance department of the government. He offered his services one day and was put on the job the next, so great is the government need at the present time for men trained in textiles.

Bigger Exports of Cotton Goods.

The Bureau of Foreign and Domestic Commerce, in its latest report, shows that United States exposts of cotton manufactures for the 12 months ending June, 1917, were valued at \$136.253,858, against a like showing of \$51,467,233 in 1914.

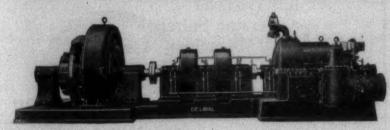


It cleans 80,000 Quills per day, without damage
Only two operators necessary
Separates Quills and Waste
' 98 per cent. Cleaning Efficiency

Full and complete information cheerfully furnished Write quick if you want prompt shipment

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CHARLOTTE, N. C.



DeLavel Geared Turbo-Generators

Meet Special Requirements

The speeds available for small alternators do not coincide with the speeds for best steam turbine efficiency. If you want high turbine efficiency, use a De Laval geared turbine. The gear permits of running the turbine at the best speed for economy, while the alternator can be a standard moderate speed machine, that is in general more reliable and satisfactory than machines which run at excessively high speeds.

We illustrate above a unit of this type, including the exciter, the whole making a compact, simple outfit mounted upon one bed plate. The turbine is of the multi-stage type, especially designed for high efficiency and to be preferred where the exhaust steam cannot be used for other purposes, that is, where the steam must be rejected to the condenser, or to atmosphere.

DeLaval Steam Turbine Company, Trenton, N. J.

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Carpet and Rug Industry of North China

gol border, near the wool-productr's knot. Upon a heavy wooden ing areas between the Gulf of Chihli frame, reaching from floor to cotton and the Pamirs. The best native ing, is stretched a screen of cotton rugs are not now produced in Tient- strings, the warp, like the strings of sin, and the bulk of the commercial a piano. The master craftsman, who output probably comes from points has a small pattern of the rug he farther inland, but the term "Tient- wishes to make in color, sketches farther inland, but the term "Tient- wishes to make in color, sketches sin carpet" serves to describe a na- the design on white paper, accord-tive manufacture which has been ing to the actual seale of the rug for many decades, and which has in and out of the strings of the warp. only recently risen from the humble When it is in position the decided status of a native craft to the decided when it is in position the decided warp. status of a native craft to that of an industry

given them in so short a period. The demands. export of Turkish rugs is at a standstill and the production and shipment of Persian and Turkestan rugs has been limited. The demand for Oriental rugs, especially in Ameri-ca, is great; so the last two years have brought to North China a host of rug buyers, professional and amateur, who have given the humble weaver occasion to branch out and enlarge.

During the past year Pekin has harbored more rug buyers than one could conveniently count, and for a time it was almost impossible to get the local weavers to undertake even small contracts, for the demand so exceeded the normal output that their looms were pledged for many months ahead, while the supplies of woolen yarn, the raw materials for dyes, and the available apprentices were at a premium.

Several months ago elimination set in. Those who had bought without a knowledge of prices, or without a knowledge of wool and native dyes, those who had not considered the American taste in designs, and those who had not bought at all because they could find nothing

tions for rug making are Tientsin, or 6 big looms in each little room, Salachi, Hami, Kuchar, Khotan, and with 6, or 8, or 10 boys and men at Kashgar. There is no great art in each loom, turning out several the manufacture, except from the Chinese viewpoint of design in which the European of a commercial bent thousand dollars worth of carpet to order without a word or a whisper.

A rug 6 feet long by 3 wide, made

The Tientsin carpet was not orig-telligence and sufficent patience in ally produced in Tientsin but in could qualify as a rug weaver when a half a dozen big cities on the Mon- he had learned to tie the rug-weavink, the patern is removed and the small boys set to work tying knots War conditions have given Chinese small boys set to work tying knots rugs a value of a reputation abroad, and cutting string—building the rug, which no amount of advertising and literally, from the ground up—workenergetic salesmanship could have ing in various colors as the pattern

> There is no real woof in these carpets, the only cross strands being the cotton "filler" which is run in loosely after each row of knots has been tied and pounded down. The knot tyer sits on a bench before the upright woof with a few primitive tools by his side, and with balls of the various yarns which he expects to use suspended behind him. He reaches back, catches the loose end of the blue, red, or green ball, occasion requires, ties two strands of the warp together and cuts the yarn so that the two ends of his knot protrude toward him, forming integral factors in the carpet's pile. One knot tied, he takes the second string of the warp and ties it to the third with a similar knot, using the color yarn demanded by the pattern. When he has finished a row of knots he weaves in a length of cotton filler and pounds down his work with a heavy iron fork which is thrust into the warp. A pair of scissors for trimming the pile and "carving" the design completes the weaver's mechanical equipment.

There is no variety in the work buy, quietly left the field, while and no change of position. Each those who had exercised judgment, workman takes a 2-foot width of had exeprimented with wool, dyes, rug, so that on a carpet of excepand the idosyncrasies of native tional width one may see as many weavers, and had learned what was as 10 or 12 boys working side by wanted and how to have it made in side. When they commence, their Pekin, proceeded to monopolize the bench is about 8 inches from the foreign connections and to develop floor, but as they progress their the carpet industry. seat is raised, like a painter's scaf-Among the Chinese, Ninghsia car- fold, until their heads touch the pets are considered the best and ceiling. If one enters what seems Peking carpets second best. Other an insignificant shop in Pekin in cities which have acquired reputa- this season of stress, he will find 5

is not vastly interested, and rugs are of good material, is worth \$18 to \$25, judged by the quality of the wool and represents the incessant labor and the permanency of the dyes, of a knot tyer who works 12 hours rather than by the skill displayed a day for 40 days, not to mention rather than by the skill displayed a day for 40 days, not to mention in the weaving. As a matter of fact the yarn, cotton string, patterns, and the Chinese rug, like most produced dyes used in the manufacture. A in Asia, is not really woven but is skilled master weaver who can detied, the most important mechanism sign and superintend the manufact-in their structure being the fingers ure of a rug may get as much as of the small boys who sit in a row \$20 a month, while the little apprenand do the tedious work. There is tices, who do the bulk of the work, a minimum of machinery in a rug get their food, worth about \$3 a maker's shop, and anyone of fair in-month, and are grateful.

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Which Require No OH or Grease and Save You Money in Many Ways
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BOUND BROOK OIL-LESS BEARING CO., - Bound Brook, N. J.

John P. Marston

Gum Tragasol Kerston Sottener Bleaching Assistant Bleachers Blue

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"DUREX" TOP ROLL VARNISH prevents lapping, preserves the leather, increases the life of leather top rolls thirty to fifty percent. 250 cotton mills in the South now use this varnish.

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A. E. RATNER & COMPANY, Inc.

NEW YORK

to the coarsest of unpicked sheep's The yarn that goes into the average carpet made for the market, worth, say, \$1.40 a square foot, is surprisingly coarse and wiry and, if dyed brown, might be taken for hemp by the superficial observer. In Ninghsia, where the carpet industry has not yet assumed commercial importance, one finds rugs averaging 450 strands to the foot and made from wool as soft and fine as stock-

The wool that enters into Chinese carpets is grown in Mongolia, and the yarn is spun by old men and women in the border villages. Each spinner strolls about with a wad of raw wool and a hand spindle and accumulates a ball of yarn by a mechanical twirling of the spin-dle while entering vigorously into the gossip of the day. As no shutfle is used in the weaving of the carpets, so there is no wheel used in the spinning of the yarn. The Chinese rug is most literally hand-

of rug may have been from 80 to China which will bleach the rug ornamental qualities of a carpet that 120 strands, and the wool used var—without ruining the carpet, if the appears hopelessly old and dirty. ies from the softest and finest lamb's dyer has done his work conseien—The recent carpet boom has made wool in carpets that are rather ta- tiously. Actual experiment has the Chinese carpet an article of pestries than floor rugs, through shown that it is imposible to boil trade and has given it the status of the expensive 'jung," or under wool, a new rug to shreds without boiling a useful and ornamental floor coythe dye out of the yarn.

Each rug maker does his own dyeing to match the colors in the design submitted to him. At one dyesign submitted to him. At one dye- have realized this and have worked stated to set a new record for sining he makes enough to finish the hard to impress their ideas upon the gle shipments of Soya Bean Oil. The carpet so that there can be no possible variation in shade, and he has his whole supply of the various ception of color and arrangement as colors dyed, set, and dried, ready the foreigner sees them, and are German Dye Bought Three Years for the client's inspection, before he relegating their old patterns to the Ago for \$89, s Sold for \$5,000. sets his men to work on the loom, dust bins. Carpet making within Native herbs, woods, and seeds en- the range of the influence of these ter into the dye making. Minerals buyers may be said to have entered are rarely used, an a conscientious rug maker eschews aniline. Their blue is indigo; the "imperial yellow" is made from the blossom of a spe acorn husk; purple from holly-hocks; and yellow, reds, greens, and other shades from various native has determined to extend the special woods, mostly cheap and abundant. The dyer takes as much dyewood or service of September 7 covering seed as his judgment prompts him raw cotton shipped to certain desto use, throws it into a great pot of tinations. Shippers are therefore boiling water, and when the liquid informed that individual licenses takes on color throws in the yarn will not be required for shipments and sets a man to stirring it. The The matter of dyes enters largely and sets a man to stirring it. The of raw cotton to Great Britain, into Chinese appreciation of a rug. fixing of the colors is done with France, Italy, Japan, their colonies, The Ninghsia dyes never fade, but alum. A rug made partly with yarn possessions and protectorates, nor gain in luster as they age, and a dyed with the native vegetable dyes for shipments of raw cotton direct 24-year-old carpet, far from being and partly with aniline dyes fades to Russia, provided such shipments

Rugs bought from the maker may worn out, has a silky brilliance and in streaks and patches and betray, are covered by railroad and for be worth from 90 cents a square gloss which can not be imitated. The Strong soap and water have no more ocean bill of lading dated on or befoot up to \$4, according to the qualnative dyes set in Pekin, when properfect on a good rug than they have fore October 31, 1917.

ity of the wool used and the close- erly set, will outlast the carpet, and upon a good handkerchief and often applications must be filed on the ness of the texture. In Pekin a foot nothing has yet been discovered in make a surprising difference in the the proper forms for cotton which will

ering. As such it must be made in good taste. The successful buyers in the carpet centers of the north native artists, with the result that the Chinese are developing a perupon a permanent and hopeful evolution.—Rodney Gilbert in Nor China Herald of Shanghai, China.

cies of locust tree, which also yields Regulations Concerning Exports of black; brown comes from a kind of Raw Cotton.

license issued through the customs

be shipped thereafter.

Big Shipment of Soya Beans.

A special freight train consisting of twenty-seven tank cars of Soya Bean Oil left the Pacific coast on September 22 for the East via the Union Pacific Railroad. is consigned to Marden. Orth & Hastings Corporation.

A barrel of German red dye, hidden away in the stockroom of a pacompany since its purchase North three years ago for \$89, has been sold to a New York concern for \$5,000. The paper company's plant recently was sold and the new owners found the long neglected barrel, which brought the top war price.

Cliffside Mills

Cliffside, N. C.
W. L. PackardSuperintendent
C. C. TateCarder
R. V. BlandSpinner
P. C. Hawkins
R. L. WadeBeamer
A. I. MooreDyer
C. C. Blanton Master Mechanic
W. R. ThigpenFinisher



DISCUSSIONS BY PRACTICAL MEN

The Jacquard Machine.

were incompete and it remained for some one to select the hest features added improvements, into a practical machine. Jacquard accomplished this in 1804. The value of his interlacings. invention was recognized by Napoleon Bonapare, who in 1806 granted interlace differently, since each end a pension of 3,000 francs per an- is controlled by a separate connecnum to Jacquard. This pension ention with the Jacquard. The numable him to further improve and ber of orders is limited only by the perfect his device.

However, the weavers of that time were greatly prejudiced against the would be thrown out of employ- cial purposes. Those in most com-This opposition became so violent that Jacquard was forced to leave Lyons about 1810 from fear of being mobbed. His machines were destroyed in the public squares of Lyons, but after years of hostile opposition the invention triumphed, and when Jacquard died in 1834 it is said 30,000 Jacquard machines were in operaton almost within hearing of his native city. A statue of Jacquard now stands

in Lyons on the spot where his first machines were burned.

tion by cams, dobbies, or other sim- to support the hooks resting in nor-By Nemo.

The history of the Jacquard masuch designs as do not require a vent them turning out of position, horizontal wires extending from this may be stated briefly as folgreater number of changes of inter- The "bottom board" is a wooden front to back. In the Single Lift lows: Joseph Jacquard, a native of lacings than harness in the loom's board at the bottom of the machine type we have a needle for each loom.

In cam or dobby weaving the board, warp threads are drawn in groups The to each harness, thus requiring as many harness as different orders of

mon use are as follows: Single Lift Single Cylinder, Double Lift Single Cylinder. Double Lift Double Cylinder. Rise and Fall. Five Index. Leno Machines. Drop Shed. Shed.

Auxiliary Cylinder, Twilling Machines.

Of these the first five are made for general use and are the most com-

each warp thread per repeat may are capped wifh castings which en- pins; its purpose being simply interlace differently, since each end gage the "pullover" and hammers protect them from injury. T

Types of Machines. The "pullover" is merely a small The needle-board is at the front,
There are many different types of catch used to turn the cylinder one- facing the cylinder, its perforations

machines were burned.

The Machine.

Jacquard's latest model was not unlike the single lift single cylinder machine as made today, except that it was made in a wooden frame. It contained the books, needles, cylinder, griffe, etc., and was controlled by a chain of cards. These parts have improved in form and material but none have been added. The changes have been to make it better adapted to the high speeds of the modern power looms, to increase the production and decrease the cost of the sides near hut below the center any fabric too complex for productions.

It used to the changes are made today, except that it was made in a wooden frame. This is the original type and also the simplest of the Jacquard maline and contains the essential the raisers, the second bend is at the top and shaped to 0t the called griffe bars. The griffe is the frame carrying as exparate purpose. The first hend the knives, the indvidual knives are is at the top and shaped to 0t the called griffe bars. The griffe har with which it engages on for each pick carrying with it all the raisers, the second bend is in the The cords carry the order of inhouse the raisers, the second bend is in the The cords carry the order of inhouse the production of the hook in normal position.

Its Use.

The Jacquard machine is used for a new cord for each pick. The books may be regulated wires extending from top to depth of the shed may be regulated wires extending from top to depth of the shed may be regulated wires extending from top to depth of the shed hook by adjusting the lever connections. Has the cord in the stack book in normal position.

The flow of the machine, Each hook by adjusting the lever connections, has three beends each bend starying the lever connections. Bas three bends serving the the knives, the indvidual knives are is at the top and shaped to 0t 0t the called griffe bars. The griffe hars, the raisers, the second bend is at the hooks in normal position.

The hooks in order to 0t the raisers, the ends carrying with it all the raisers, t

position they are clear thus remain-

to produce a machine for weaving Designs containing five orders or ing in number and location with wire except a small bend for enfigured goods, practical enough to less can best be woven or cams, the bottom parts of the hooks, these gaging with the hook and a small be generally adopted. Some of the Those containing from six to thirty, perforations guide the neck-cords, loop in the rear for receiving the earlier inventors but their devices quard is commonly used. pard. front and into the needle-box in the The cylinder is a rectangular rear. The springs are in the needleof each and to assemble them, with through the loom harness, a group prism of wood having its four faces box and serve to press the needles ess, thus requiring as perforated to receive the needles, forward into the cylinder. The as different orders of which project through the needle needle-box contains the loop-ends in Jacquard weaving board. The two ends of the cylinder of the needles, their springs and and receive the stude upon which front side of the needle-box is made the cylinder revolves, each face is of small rods, these separate the provided with adjustable brass pegs rows of needles and with the pins

new invention, fearing that many Jacquards built for general and spe- fourth of a revolution each time the space the needles corresponding to griffe is raised, thus presenting a the cylinder perforations. The lever new cord to the needle board for and connections transmit the power each pick of the loom. The hamactuating the different parts; one mers are so called from their shape, end of the lever is connected by Their purpose is to prevent the cylimeans of the rod and crank to the inder making more than one-fourth crank shaft of the loom, this of revolution at any one time and to course rocks the lever up and down hold the cylinder firmly after each on each pick. The other end of the pick or partial revolution and to lever is connected through rods to assure that the face carrying the the griffe, thus giving the desired cord shall be presented squarely to pumping motion, forming a shed for the needle board. These hammers each pick. Another connection acare operated by a spring.

The hooks consist of a series of a new cord for each pick. The vertical wires extending from top to depth of the shed may be regulated

Joseph Sykes Brothers, Huddersfield, Engl

England

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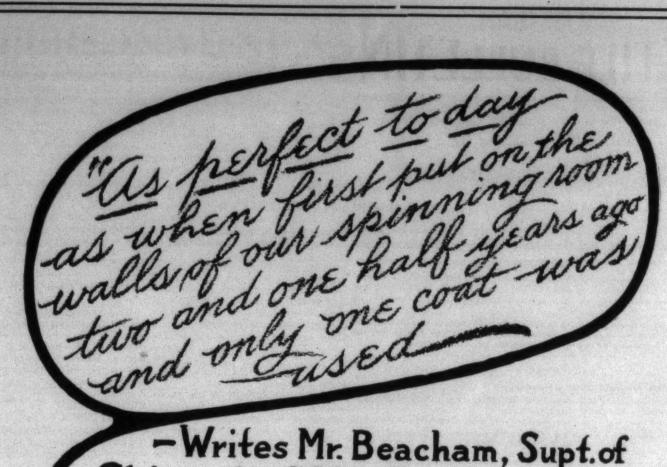
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RICHARD D. THOMAS, Southern Agent

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-Writes Mr. Beacham, Supt. of Chiquola Mfg. Co. regarding the merits of



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The splendid results obtained by the Chiquola Mfg. Co., Honea Path, S. C., with PEE GEE FACTRILITE has been repeated over and over in scores of mills throughout the South. It will save you the expense and annoyance of frequent repainting caused by inferior Mill Whites. PEE GEE FACTRILITE.

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URE PROOF, does not crack, and withstands the vibration of heavy machinery. It has a high-gloss, tile-like finish of highest reflective power, thereby increasing the hours of day-light.

We supervise the job at our expense and place at your disposal a practical man to direct the painting of your mill or any part thereof. Write today for sample board painted with Pee Gee Factrilite.

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Offices: Room 609 Realty Building, Charlotte, N. C. Published Every Thursday By Clark Publishing Company

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THURSDAY, OCTOBER 11, 1917

The friends of W. A. Graham ton office of Department of Com-Clark, a brother of the editor of the merce.

Southern Textile Bulletin, are urg-ing his claims for the position with the control of the merce.

(7) Now textile expert for the merce. ing his claims for the position upon Tariff Commission. the Tariff Commission recently made vacant by the resignation of Daniel C. Roper.

west of the Mississippi River in mission contains a man of M which there is less than 6 per cent Clark's experience and knowledge. of the manufacturing of the United One member is from Boston and another from northern Maryland.

There is no member of the Com-Commission are from the section who have practical knowledge of manufacturing. W. A. Graham Clark secure sufficiently strong endorsements from the textile industry.

which gave him an international taxes.

of the cost of cotton manufacturing computed.
in England.

Deprecia

W. A. Graham Clark Considered for lanta office of Department of Com-

When the war is ended, which takes effect: may be sooner than we now expect, the tariff will become of vital inter-Daniel C. Roper.

Three members of the Tariff est and it will be fortunate for the Commission are from the section textile industry if the Tariff ComCommission are from River in mission contains a man of Mr.

The Mississippi River in mission contains a man of Mr.

War Taxes.

The War Revenue Bill has passed pay 60 per cent tax. Congress and become a law through The above rough the signature of President Woodrow Wilson. We have had the oppor- the information that we have been tunity of looking over the law but able to glean but we do not wish lacking a large and very able legal has both of these qualifications and lacking a large and very able legal these statements to be taken as auhas a good change of being appoint- department we are unable to give thoritative, because the bill is so ed upon the Commission if he can any very clear definition of its pro- complicated that it will require visions; in fact, we doubt if the some time for its provisions to be members of the Conference Commit. thoroughly understood. Mr. Clark's record is as follows: tee are, yet, able to explain all of

Mr. Clark's record is as follows:

(1) Engineering graduate of Cornell University.

(2) Six years a cotton manufacturer.

(3) Seven years Commercial Agent of the Department of Commerce.

Mr. Clark investigated the cotton goods trade of 32 out of the 47 countries in the world and made reports which gave him an international factors.

tee are, yet, able to explain all of taxes that will be collected by the government will be a substantial portion of the profits of 1917, but industries of the country should must continue to pay city, country and state taxes and, also former burden is placed upon them.

Mr. Clark investigated the cotton government taxes, even to the extent of the former excess profit have left our homes and are either in France or preparing themselves reputation.

All former taxes still exist and for efficient fighting in that country.

Depreciation is also to be deduct-(5) Two years manager of At- ed, but the government will not an- turn back until it is won.

nounce what depreciation will be depreciation account and the gov-ernment will decide whether or not it is excessive. In the past the government has adopted a policy of allowing 5 per cent on machinery and 2 per cent on brick buildings as fair depreciation and in all probability they will continue that policy. From the income or profits, less

existing taxes and depreciation, is to be deducted the average profits of the pre-war period, which is con-sidered to be the years of 1911, 1912 and 1913.

If the profits for the prewar period were less than 7 per cent upon and gracefully meeting the call that the capital invested, an amount of has been made upon them. 7 per cent is to be deducted, and if profits for the pre-war period war duty. amounted to between 7 and 9 per cent, the exact amount of the pre-war profits is to be deducted.

From the profits of 1917, we first

determine its per cent upon the "capital invested."

Under the revenue bill, as finally ers and a good part of the synthetic passed, the per cent of profils is to indigo will come to Southern mills. he calculated upon actual capital invested or in other words upon a fair

valuation of the property.

A mill of 10,000 spindles may only have a capital stock of \$100,000, but the per cent of profits will be cal-culated upon the value of the mill property which would probably be 250,000

After the per cent of earnings is determined, the following scale

Mills earning 45 per cent or less pay 20 per cent tax.

Mills earning 45 to 20 per cent pay 25 per cent tax. Mills earning 20 to 25 per cent

pay 35 per cent tax.

Mills earning 25 to 33 per cent
pay 45 per cent tax.

Mills earning over 33 per cent

The above rough outline of the War Revenue Bill is according to these statements to be taken as au-

It is sufficient to say that the

reputation.

(4) One and one-half years as must be paid, but they are to be Their lives are dearer to them than textile expert for the former Tariff Board during which period he made beginning to estimate the amount if it requires all of the profits for a special and detailed investigation upon which the new taxes are to be every year of the war, they should of the cost of colton manufacturing.

It requires billions to properly allowed. Each mill is to fix its own equip and maintain our army in depreciation account and the gov- France and the manufacturers and business men who stay home run no risk of suffering and death, must make financial sacrifices.

Publications are assessed, in various ways, on a much higher scale than cotton mills and we will pay in proportion a larger amount of taxes than any cotton mill in the South, but we shall bow to the will of Congress and do so without complaint.

We hope that the textile industry of the South will set the rest of the country an example by promptly

The tax dodger in war time is no over 9 per cent an amount equal to less a traitor than the descrier at 9 per cent is to be deducted. If the the front, for both seek to evade

\$1,000,000 Cargo of Dyestuff.

A consignment of dyestuffs said to deduct existing taxes, next depreciable the largest since the war began ation and then the pre-war profits is on the way from Switzerland conwhich are fixed at between 7 and 9 signed to A. Klepstein & Co., of New signed to A. Klepstein & Co., of New York. The consignment consists of per cent. York. The consignment consists of We understand that there is also 1,000 barrels of synthetic indigo and We understand that there is a very large list o fother colors, a flat exemption of \$3,000.

Having deducted all of the above some of which sell at from \$10.00 to we reach the net income and must \$20.00 per pound.

A Klepstein & Co. will proportion the chieffing among its custom-

out the shipment among its custom-

Mill Men in the Army.

Every few days we hear of cotton manufacturers or their sons who are in the army or at training

Elliott Springs, a son of Leroy Springs, of Lancaster, S. C., was one of the first to enlist in the aviation branch and has been in France. He has recently been transferred to England and we assume that he is assisting in the defense of London against the German aviators.

J. W. Corley, a brother of Clifton

Corley, of Cumberland, N. C., has landed in France and joined our forces there

Ellison McKissick, son of A. F. McKissick, of Greenwood, S. C., and a grandson of Capt. Ellison A. Smyth, was one of the first to vol-

unfeer and is now an officer.
A son of G. F. Roberts, formerly superintendent at Fries, Va., but now of the Textile Specialty Co., is training for an officer in the aviation branch.

Among those who are now at the officers' training camp at Fort Oglethorpe, Ga., are E. C. Gwaltney, general superintendent of Marlboro Mills; P. A. Gwaltney, superintendent Great Falls Mfg. Co.; York L. Wilson, secretary Kershaw Cotton Mills; Dan Wallace, of the Arabol Mfg. Co., and D. H. Hill, Jr., asso-ciate editor of the Southern Textite Bulletin.

There are others in the service whose names we can not recall now and a great many of whom we have not heard.

We would appreciate items about cotton manufacturers and their sons who are in service and the publication of such items will be a be given gladly.

record or henor roll to which many

We are in this war and can never of them will be glad to refer in the years to come.

PERSONAL NEWS

E. S. Trammell has resigned as superintendent of the Cohannett sition in the weave room of the Poe Cotton Mills, Fingerville, S. C. Mill, Greenville, S. C.

T. Crane has moved from Clinton, S. C., to South Greenwood, S. C., to take work with the Panola Mills.

Charles Price of Great Falls, S. C. has accepted position with the Panola Mills, Greenwood, S. C.

R. M. Turner has accepted posi-tion with the Fountain Inn (S. C.) Mfg. Company.

E. Trammell has accepted a position in the weave room of the Mills Mfg. Co., Greenville, S. C.

a position at Great Falls, S.C.

M. F. Hannah of Chesnee, S. C., has accepted the position of speeder fixer at Cliffside, N. C.

B. E. McCurry has ben promoted

T. W. Ingle has resigned as overer of weaving at the Mecklenburg Mills, Charlotte, N. C .

William E. Winchester has re- S. C., is now overseer of spinning signed as treasurer of the Lockhart at the Greer Mills, Greer, S. C. (S. C.) Cotton Mills.

accepted a position with the Poe Mills, Greenville, S. C.

L. F. Henson has accepted a position with the Dunean Mills, Greenville, S. C.

E. H .Arnold has accepted a posi- of the Poe Mill, Greenville, S. C. tion with the Brogon Mills, Anderson, S. C.

sition with the American Spinning pany, Charlotte, N. C. Company, Greenville, S. C.

E. M. Thacker has accepted a po-

M. McCarter has accepted position as master mechanic at the Franklin Mills, Greer, S. C.

L. L. Conner, secretary of the Glenola Mills, Eufaula, Ala., is now acting as superintendent of that

L. F. Seurry of Darlington, S. C., has accepted position as overseer of land, Tenn. spinning, spooling and warping at J. M. Ow. the Floyd Cotton Mills, Rome, Ga.

O. R. McDaniel has resigned his position at Cliffside to accept position as overseer of cloth room at J. S. Hawkins resigned as speeder tion as overseer of cloth room fixer at Cliffside, N. C., and accepted the Hoskin Mills, Charlotte, N. C.

Chas. L. Eppley, Kannapolis, N. C., in the card room of the Brogon has accepted position as overseer of Mills, Anderson, S. C. weaving at the Mecklenburg Mills, Charlotte, N. C.

W. W. Byars, Brookford, N. C. from fixer to assistant second-hand has accepted position of overseer in carding at Cliffside, N. C. of carding at the E. A. Smith Mfg. Co., Rhodhiss, N. C.

> J. D. Smith, formerly superintendent of the Franklin Mills, Greer,

B. E. McLown has resigned as J. F. Dill, of Fairmont, S. C., has overseer of spinning at the Franklin Mills, Greer, S. C., to accept a similar position at Gainesville, Ga.

J. M. Coleman, formerly with the J. E. Grant has accepted position as loom fixer at the Poe Mills, Franklin Mills, Greer, S. G., has accepted a position with the Green Mills, Green, S. C., where Co. of the same place. Mfg. Co., of the same place.

> D. C. Coleman, formerly with the River Mills, Schoolfield ,Va. Piedmont Mill, Piedmont, S. C., has accepted a position in the card room

John M. Havs, from High Point, N. has accepted a position as ma-P. E. Hamilton has accepted a po- chinist at the Defiance Sock Com-

Company, Greenville, S. C.

W. H. Corbin of Ashcraft, Ala.

J. G. Cantrell has accepted a po- and J. A. McKee of Woodruff, S. C., sition with the Arkwright Mills, are now engineers at the Green-Spartanburg, S. C.

wood (S. C.) Cotton Mills. the Green-

pany, Ranlo, N. C.

On all bearings of Cards, Looms, Eveners, Cotton Bale Openers, Cotton Feeders, Breaker Lappers, Drawing, Slubbing, Roving, Jack and Ring Spinning Frames, Wet and Dry Twisters, Cone Winders, Threading Extractors, and other Textile Mill machinery Albany Grease should be used at all times for efficient and economical lubrication service. An Albany Cup and samples of Albany Grease will be sent free of charge for trial.

ALBANY LUBRICATING COMPANY

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NEW YORK CITY



Thomas Plouff has accepted a position as overseer of finishing for the Cleveland Woolen Mills, Cleve-

J. M. Owensby of the Orr Cotton Mills, Anderson, S. C., has accepted a position in the finishing room of the Brogon Mills of the same place.

Scott White has been promoted from the slasher room to a position

spinning at the Woodside Mills, two months' vacation as carder and Greenville, S. C., has accepted a spinner in Mill No. 2 of the Cannon similar position at the Pelzer Mill Mills, Kannapolis, N. C. No. 4, Pelzer, S. C.

Pacolet Mfg. Co., Trough, S. C., has Mills, Lexington, N. C., has accepted accepted a position in the cloth a position at Danville Various at the Arkarisht Mill. room at the Arkwright Mills, Spartanburg, S. C.

I. N. Dunn has resigned as super-intendent of the Bamberg, (S. C.) mills to become superintendent of the Warren Mills, Warrenville, Excelsion Knitting Mills and treas-

C. E. Clark has resigned as super- S. C., has been elected treasurer intendent of the Marlboro Mills, No. the Lockhart (S. C.) Cotton Mills. Bennettsville, S. C., to become assistant superintendent of the Dan

Vernon McCloud has resigned as earder and spinner at the Smitherman Cotton Mills, Troy, N. C., to become overseer of spinning at the Wateree Mills, Camden, S. C.

N. H. McGuire has resigned Mills, Greer, S. C., to accept a simi-lar position with the Dan River Mills, No. 2, Schoolfield, Va. W. H. Mod

J. Fred Smith has been promoted J. M. Short of Gastonia, N. C., has from eard grinder at night to head ecepted position of overseer of eard grinder over both No. 1 and Earl McCary, formerly of Green- J. M. Short of Gastonia, N. C., has from card grinder at night to head wood, S. C., but now of Newberry, accepted position of overseer of card grinder over both No. 1 and S. C., has been drafted into the carding at the Rex Spinning Com- No. 2 of the Exposition Mills, Atlanta, Ga., on the day run.

Mr Price

I know that you are interested in increasing your production and wish to call your attention to Morse Chain advertisements in the Southern Textile Bulletin.

Geo. Pritchett Greensboro, N. C.

P. Moose, earder at Cannon Mills, No. 1, Kannapolis, N. C., is also acting as overseer of carding No. 2 during the absence of W. J. Willard.

W. J. Willard has been granted a

F. L. McDaniel, formerly overseer

Will Milhelland has been promoted from second-hand to overseer of

Emslie Nicholson, president of the Excelsior Knitting Mills and treas-urer of the Monarch Mills at Union, has been elected treasurer of

C. E. Bailey has resigned as over-seer of spinning at the Athens (Ga.) Mfg. Co. and accepted a similar sition with the Alden Hosiery Mills, New Orleans, La.

J. L. Dobbins, formerly overhauler for the Selma (Ala.) Mfg. Co., has accepted position as night overseer of carding and spinning for overseer of weaving at the Franklin South Texas Cotton Mills, at Bren-

> W. H. Mooney, formerly superintendent of the Bibb Mfg. Co., Columbus, Ga., but more lately of the Conadian Cotton Company of brooke, Canada, has accepted a position as general superintendent of the Marlboro Mills, McColl, S. C.

WE MANUFACTURE

SULPHUR KHAKI-SULPHUR OLIVE DRAB-BENZI BROWN RHB BENZI FAST YELLOW A-BENZI SKY BLUE-BENZI GREEN FFG

American made products equal in every respect to pre-war types

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Sulphur, Direct, Acid, Top-Chrome, Bottom-Chrome, Basic, Spirit, and Oil Colors

Southern Office:

Danville, Virginia

N. H. Benefield, Manager

AMERICAN ANILINE PRODUCTS, Inc.

80 FIFTH AVENUE, NEW YORK

MILL NEWS ITEMS OF INTEREST

Troy, N. C.—The Capelsie Cotton Mills have installed the Normalair humidifiers throughout their plant.

Athens, Ga.-Southern Mfg. Co. will increase capital from \$500,000 to tur to \$1,000,000. No additions contember 1.

cent by the Elk Cotton Mill.

Landis, N. C .- A new lighting system has been installed in the mill that the mill will be in operation. villages of the Linn Mills and the Corriber Mills and is much appreciated by the mill operatives.

Newton, N. C .- The Fidelity Hos-International Time Recording Company a time recorder to be used in connection with the Keating Child 600 dormitory for women. Labor Bill.

West Point, Ga.-Lanett Cotton

Caroleen, N. C .- A handsome \$6,-000 school building, which has been erected by the Henrietta Mills in conjunction with Rutherford counwill be finished this week and will be a great addition to the Henrietta Mills community.

opment and expansion.

Novelty Company have engaged E. S. Draper, landscape architect of Charlotte, N. C., to draw up com-plete plan for the mill grounds and mill village.

building in process of construction the 415x50-foot building which the at Greenwood mill village, when company will occupy.

Belmont, N. C .- The Climax Spinning Co., which manufactures fine combed yarns, is adding 4,350 new spindles to its plant, where 21,760 spindles were formerly operated, and is making improvement in its mill village.

Lumberton, N. C.—The National Cotton Mill is adding 72 feet of floor space to its mill, and when the new building is completed will install spindles, bringing the 3,000 more total up to 15,600 ring spindles. The Lumberton, Dresden and Jennings Mills of this same place have also added new spindles during the year, and the total equipment of the four mills now exceeds 70,000, all running Conover, N. C .- The last two car-

be built on this new property. It will probably be next year before the machinery will be delivered, so

Danville, Va.-Dan River and Rivvillage improvements, electric

Mobile, Ala .- The Pope Mills are Rountree, treasurer, and N. C. Richardson, superintendent.

1 slubber, 6 spinning frames (all Saco-Lowell), and 1 Foster winder in the vacant space in the original Camden, S. C.—The Hermitage mill building. This machinery, Cotton Mills have obtained E. S. which has already been ordered, Draper, landscape architect of will increase the output about one-Charlotte, N. C., to work out a gen-fourth. The mills manufacture hoseral plan for the mill village devel-iery yarns, 6s to 10s in skeins, cones on tubes. or tubes.

Walhalla, S. C .- An equipment of Hartsville, S. C.—The Southern 60 knifting machines, with accompanying loopers and electric power drive, will be installed for the Anderson (S. C.) branch of the Hefrick Hosiery Mills, Walhalla, S. C., the daily capacity to be 300 dezen pairs of hose. Otto Kaufman, of Walhalla,

1200 INDEPENDENCE BUILDING

Springwood, Va.-Jasper Miller, of Charlotte, N. C. is interested in of Charlotte, N. C. is interested in a company to build a 10,000 spindle Fieldman with offices at 25 Madison being started up now on a high class mate and a very prosperous farm-of kimoua and cloaking goods; also ing country around to furnish cheap per cent on \$300,000.

loads of machinery for the new blanket and gingham mills of the lint and material for padding auto-Yount Cotton Mills located at this group controlled by Marshall Field & mobile coverings and upholsterings place, are on the way from Walter- Co., are understood to have been will be manufactured by the Royal boro, S. G. The mill will be ready completed, and it is expected that Cotton Products Co., of Atlanta, Ga. to turn on the power about November 1.

Will be delivered and in full opera- with \$100,000 capital, has organized then within a short time. The additions to the Atlanta, Ga.—Mattress Int., pollow Atlanta, Ga.—Mattress Int., pollow loads of machinery for the additions. This additions with \$100,000 capital, provident and W. R. Pieldale, Va.—The town site has tion to the underwear mill is well Reeves, general manager. It has Dalton, Ga.—An annual dividend been practically laid out by engiunder way, and it is hoped that this leased a building containing 10,000 of 10 per cent is declared by the neers, and building operations have will be in full operation by the first square feet of floor space, and will crown Cotton Mills and one of 8 per already begun on the first mill to of the year. install machinery costing \$15,000, Later the company will probably erect its own building.

erside Cotton Mills will expend syon, one of the early states and five areas of the early states and five areas of the early states and five areas of the early states are also states and five at 20-26 West Twenty-second street, mill village improvements, electric months in the year and from 1,500 New York, and the Bush Terminal Newton, N. C.—The Fidelity Hos- mill village improvements, electric to 3,000 h. p. for nine months in the Bunding, Brooklyn, is the stablery Mills have purchased from the light, water and sewer system for to 3,000 h. p. for nine months in the Bunding, Brooklyn, is the stablery Mills have purchased from the light, water and sewer system for to 3,000 h. p. for nine months in the Bunding, Brooklyn, is the stablery Mills have purchased from the light, water and sewer system for to 3,000 h. p. for nine months in the Bunding, Brooklyn, is the stable in the Bunding of the Bunding of the establishment of another branch plant for the estable property of the stable pr James River and on the C. & O. Rail- here. This firm does winding, road, which belongs to the water twisting, coning, tubing and reeling power tract, and a most ideal cli- of silk yarns, and has a total equipmate and a very prosperous farm- ment of 14,000 spindles and 100 con-Mills have declared an extra divior of kimona and cloaking goods; also ing country around to furnish cheap ing machines. The plant which it living for the operatives. The coal proposes starting up in West Virusual semi-annual payment of 5 per all new machinery and modern fields are within 50 miles—thus giv—ginia will be equipped with \$130,000 cent, payable October 15. ing cheap fuel. They expect to worth of machinery, it is under-build a modern mill and have a stood, and a 500x50 foot two-story model mill town, giving good homes building has been decided upon and Mooresville, N. C.—The Dixie Cot can build the dam and install the essary capital has been subscribed. ton Mill Co. is installing 10 cards, 1 power for what it would cost to Over a week ago \$14,000 of the deintermediate, 2 fine speeder frames, generate power by steam for one sired \$25,000 had been pledged. The 1 slubber, 6 spinning frames (all year, and have the power there—company states that since its plans after free of cost, or save each year are still most unsettled, it is not in power cost, compared with a ready to make an announcement or steam mill about \$30,000, or say 10 to consider the purchase of equip-

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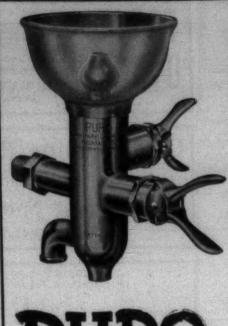
The Jacquard Machine.

Continued from page 8,) and Jacquard harness. Some ma-chines are made with an extra low grate, this taking the place of the pottom board, no neck-cords are used on this type. The hooks are made with the lower loops considerably longer than for the ordinary machine, these long loops extend down through the lower grate and below it a sufficient distance to atlow for the lift. Each hook is pro-vided with a wire calley hook for attaching the leashes to the harness. This type is commonly called the all-wire machine, or double grate and is used chiefly on light silk work and differs from other single cylinder machines only as just described.

The Jacquard Harness,

The harness is composed of the various cords, etc., forming the connection between the machine and warp of which there are six distinct parts, as follows: the leashes, comber board, the top coupling, the mail, the bottom coupling, and lingo. The leash is the group of cords attached to each neck-cord, thus we have as many leashes as active hooks. In what is known as the straight tie we have as many cords to a leash as repeats of pattern in width; thus for a straight tie for a 400 machine on a 2,000 end warp we would have 400 leashes containing five harness cords, the harness cords are made of linen twine varying in size from 3-60 to 15-30 depending upon the severity of the work.

The comber board or comport board is usually a board perforated to receive the cords. Its purpose is to space the warp threads in relation to the loom needs; it also retains the level of the shed after each harness cord has been adjusted to the common shed level. perforatons, per inch in the board and the ends per inch in the reed must be the same, or very nearly so. It follows that the ends per inch in the fabric must remain as originally planned, so we cannot make a change in texture except by build-ing a new tie. These ties are quite expensive, hence Jacquards are generally operated continuously on one texture; the designer limiting him-self to changes in counts of yarn, coloring, and design. There are two styles of comber boards in general use, solid and sectional. The fors always used unless there be likelihood that slight changes texture may be desirable. S boards are usually about 5 inches wide, I inch thick and long enough to reach across the loom. Before making a board it is necessary to know the texture and number of hooks per row in the Jacquard. The determines the perforations per inch in the board and the latter the perforations per row. It should be noticed that the perforations per row must correspond to hooks in



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the machine The sectional board is made in the form of frame. Strips of wood or porcelain are fitted into this frame, each strip is perforated to receive the harne cord. The frames are made so that the strips may be moved along the grooves. After being properly located, wooden plugs are inserted between the strips, thus distributing inserted them equally along the length of the board. By this the working width of the board is subject to slight changes. It has been that changes are not practicable on looms wider than 36 inches, due to the angle of the harness cord at the board. The board should be made of the very best hard wood and not too wide, since a wide board gives a poor shed. On the other hand boards should not be so narrow as to weaken them, neither should the perforations be in straight lines from right to eft lbut should be staggered.

The top coupling is a linen twine made in the form of a loop, one end being looped through the upper eyes of the mail, the other end tied to the harness cord. This coupling is approximately six inches long, usually of a heavier twine than the har-

s cord. The mail is an . oval mode of metal, glass, or porcelain, varying from one-eighth to one-half inch

in length and having usually three perforations; the large one in the center for the arp thread and smaller one in each end for the coupling.

The bottom coupling is of about the same length and construction as the top one, it forms the connection between the mail and the lingo

The lingo is simply a dead weight made heavy enough to keep the cords on tension and draw the hooks down to normal position on the grate after being released by the griffe. They are generally made of heavy wire, are straight and six inches or more in length. A long lingo of small diameter is prefer-(Continued on page 21.)

AMERICAN MOISTENING COMPANY

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Cotton Goods Report

cotton goods market was considercontinues far behind that for the corresponding period last year. This improved situation is due, in a large measure, to the radically upward tendency of the raw cotton market and the feeling that there will be no lower prices for some time to come. Many mills have not covered themselves with cotton-that is, anything from sale until the cost of merchandise based on present day prices for raw material are deter-

One of the great determining fac-tors is labor. Mills are undergoing unusual difficulty through scarcity of labor, their help being able to receive better remuneration in muni-tion and other manufacturing establishments of a similar nature. There seems every probability that wages are to be advanced, or at least a de-mand for such an advance will be made in various quarters. The South is particularly confronted with the question of increased cost as a result of the new Child Labor Such conditions as these make manufacturers conservative in their attitude toward future contracts. They are awaiting developments as they are unwilling to involve themselves with obligations while such uncertainty exists.

Prices in print cloths, as in practically all lines, are firmer, due, of course, to the upward cotton mar-ket. Orders have been taken on print cloths with deliveries extend- Hester's Weekly Cotton Statement. ing up to the end of the year despite fact that there have been fusals to make positive quotations.

Ginghams continue very firm and in good demand, staple ginghams being especially strong. Denims are
back at the higher figures of the
year and tickings rule firm. Finished goods are still scarce for
wick delivery form first bands.

quick delivery from first hands.

Considerable business is reported late in the week on sheetings with buyers inquiring for prompt deliv-

Many buyers permitted the opportunity of securing goods on a basis probably lower than any which will prevail for many months to come to go by because they were influenced by the irregularities of the markets during the past few weeks

goods on order are being hurried out whenever more haste is possi-

While the export demand has been restricted by the scarcity of spot goods of the kinds wanted and by curtailed facilities for shipment yet the export trade is all that could be expected. Demands naturally are greatest from South American and Central American buyers, but Mexico is a close second. India is also a good buyer. An enormous business likewise could be carried on week 1,939..
with Greece and with the ScandinaThis date last year 1,852.

ting goods to their ports were ably heavier than last week, but still so great, and of course provided licenses could be obtained, which is doubtful, especially for shipments to Norway, Sweden, Denmark and Hol-In normal times it is doubtful that the original cost of the goods would have been more than the freight and insurance charges this time.

The new government rates, howbelow present levels. As a result ever, which will become effective on many lines have been withdrawn October 15, will affect steamers plyever, which will become effective on ing between the United States and South American ports, as well European ports, and thus lessen the freight charges a great deal.

This will further increase the demands for goods from foreign countries which is already greater than exporters can handle.

Cotton goods were quoted in New ork last week as follows:

Comparisons are to actual dates not to close of corresponding weeks. In thousand bales:

In sight for week 347. For the month 289. Same date last year 414. For season 1,809. Same date last year 2,552. Port receipts for season 1,093. Same date last year 1,551. Southern mill takings for season

Same date last year 520. Interior stocks in excess of Sep-ember 1st 42.

Last year 370 Foreign exports for week 177. Same seven days, last year 172. For season 919. Same date last year 977

Government calls are steady and Statement of World's Visible Supply Total visible this week 2,874. Same date last year 3,490. Of this the total American this

cek 1,748. Last week 1,599. Last year 2,776. All other kinds this week 1,126. Last week 1,115. Last year 715. Visible in the Cnited States this

week 935. This date last year 1,638.

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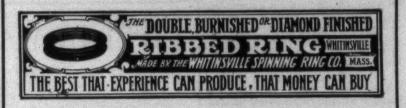
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The Yarn Market

Philadelphia: The cotton yarn market was particularly good dur-ing the past week if inquiries are to be taken as an indication for after weeks of patient waiting there are beginning to be inquiries worthy of mention from weavers. Even knitters showed some signs of activity during the past week, but demands from other than mills possessing government contracts will have to Dealers in Mill Stocks and other improve materially to reach a nor-

mal stage.

Buying was not as general as it should have been as buyers were few and far between.

Frequently wires ordering stocks and wires withdrawing prices crossed, causing complications and ne-cessitating undesirable explanations York representatives of both Southern and Eastern mills could not do business with any degree of satisfaction, for there was no tell-ing what minute this or that mill would wire advances or withdraw quotations.

Large quantities of shirtings, tent-ings, socks and underwear are being made in all mill sections for the government and it is principally this demand that improved the mar-

Knitters are experiencing great difficulty in getting needles and in cases caused the closing down of plants.

Express shipments were made in many instances direct from the South in order to keep the machines going as the delay in deliveries from the South may result in a poore showing in figures of actual busi-ness done in September than in Au-

There are many different opinion concerning the future of the cotton yarn markel, but the majority seen to be of the opinion that nothing short of calamity would force a lower level of prices, especially as cotton quotations are gaining.

Besides supplies are not at all ex-

Besides supplies are not at all ex cessive so it would seem when knitters and weavers begin to bu in quantities prices cannot help bu strengthen.

	Southern Si	nale Skel	ne	
48-88	381/2-39	200	401/4-	-41
109	39 -391/4	9.10	. 4416-	45
140	391/2-40	208	451/4-	40
200	40 -401/2	ous	4814-	-43
208.	401/2-41		STATE OF THE PARTY	
	Southern S	ingle wa	rps.	
88	399 -391/2	208	41 -	
108.	391/2-40	26s	461/2-	-47
128	40401/2	30s	58	-59
148	41411/2	40s	601/2-	$-61\frac{1}{2}$
168.	41 -411/2			
	Southern Tw	o-Ply Sk	eins.	
Ss	391/2-40	248	. 46 1/2-	-47
108	40 -401/4	30s	49 -	-50
128	401/2-41	36s	53 -	-54
148	4014-41	40s	60 -	-61
168	401/2-41	50s	81 -	-83
208.	421/2-43		88	
	Southern Tw			
Ss	40401/6	248	47	47714
10s	401/2-41			
128	41 -411/6	308	471/2-	50
	42 -421/2	400	61	69
200	43 -431/2	408	00	09
	1010 /2	308	82 -	
200	Two-Ply Combe	a Peeler	Skeins	00
240	61 -62	508	10 -	-34
200	6566	60s	98	-1.16
- MAGA A A A	EU []	708	1.19	-1.10
208	77 —80	808	1.30	-1.3i
Sou	thern Frame Si			nes.
	Cotton Ho			
88	391/2-40	208	44	45
108	40 -401/4	228	45	-46
128	401441	940	4614	47

14s41 -41½	268481/6191/4
168411/2-421/2	30850-51
18843 -44	4086063
	48 —49

M.Law & Co

Spartanburg, S. C.

BROKERS

Southern Secuirties

SOUTHERN COTTON MILL STOCKS.

4	Abbeville Cotton Mills, S. C.	112	1
2	American Spinning Co., S. C.	140	
	Anderson Cotton Mill, S. C. Aragon Mills, S. C. Avendale Mills, S. C. Avondale Mills, Ala. Belton Cotton Mills, S. C. Berandon Mills, S. C. Brandon Mills, S. C. Brandon Mills, S. C. Berogon Mills, S. C. Cabarrus Cotton Mills, N. C. Cabarrus Cotton Mills, N. C. Calhoun Mills, S. C. Cannon Mfg. Co., S. C. Colinton Cotton Mills, S. C. Colinton Cotton Mills, S. C. Colinton Cotton Mills, S. C. Courtenay Mfg. Co., S. C. Columbus Mfg. Co., S. C. Des. Converse Co., S. C. Dallas Mfg. Co., Ala Darlington Mfg. Co., S. C. Darlington Mills, S. C. Eagle & Phenix Mills, Ga. Exposition Cotton Mills, Ga. Exposition Cotton Mills, Ga. Exposition Cotton Mills, Ga. Genn-Lowry Mfg. Co., S. C. Glenn-Lowry Mfg. Co., S. C. Glenn-Lowry Mfg. Co., S. C. Glenn-Lowry Mfg. Co., S. C. Graniteville Mfg. Co., S. C. Graniteville Mfg. Co., S. C. Hamrick Mills, S. C. Loucaster Cotton Mills, S. C. Lancaster Cotton Mills, S. C. Lacurens Cotton Mi	33	
	American Della G. C.	0.0	
	Aragon Mills, S. C	96	1
	Arcadia Mills, S. C	117	
	Arkwright Mills, S. C	135	
N.	Augusta Factory, Ga	30	
	Avondale Mills, Ala	125	
	Belton Cotton Mills, S. C	113	
	Brandon Mills, S. C	91	
	Penument Mer Co C C	105	
	Cabamma Catton Mills N. C.	110	
	Calhoun Mills & C	0.0	
	Cannon Mfg Co N C	00	
	Chiquola Mills 8 C	122	
	Clifton Mfg. Co. S. C.	110	
	Clipton Cotton Mills, S. C.	117	
	Courtenay Mfg. Co., S. C	105	
	Columbus Mfg. Co., Ga		
	Cox Mfg. Co., S. C		
	Chesnee Mills, S. C	140	
	D. E. Converse Co., S. C	100	
	Dallas Mfg. Co., Ala	116	
	Darlington Mfg. Co., S. C		
	Drayton Mills, S. C	27	
t	Dunean Mills, S. C	57	
1	Eagle & Phenix Mills, Ga	99	
	hasley Cotton Mills, S. C	225	
	Exposition Coltan Till	170	
	Caffnoy Mer Co C. C.	160	
1	Gainesville Cotton Mills Co.	84	
	Clarwood Mills S C.	0.7	
8	Clenn Lowry Mer Co S C	34	
S	Glenn-Lowry Mfg Co. nfd		
	Gluck Mills S C	0.5	
	Granitavilla Mfg Co S C	75	
r	Geenwood Cotton Mills S C	100	
	Grendel Mills, S. C	150	
	Hamrick Mills, S. C	125	
	Hartsville Cotton Mills, S. C.	175	
	Henrietta Mills, N. C	145	
	Highland Park Mfg. Co		
S	Inman Mills, S. C	120	
n	Inman Mills, S. C., pfd	100	
n	Jackson Mills, S. C	150	
	Judson Mills, S. C	107	
g	King, John P. Mfg. Co., Ga		
a	Lancaster Cotton Mills, S. C.	150	
	Lancaster C. Mills, S. C., pfd		
8	Langley Mig. Co., S. C	44.7	
	Laurens Cotton Mills, S. C.	117	
-	Lamestone Cotton Milis, S. C.	140	
	Torox Mills N C common	90	
n	Loray Mills N C 1st pfd	105	
y	Marion Mfg Co N C	125	
	Marlboro Mills, S. C.	120	
it	Mills Mfg. Co., S. C	100	
	Mollohon Mfg. Co., S. C	100	
	Monarch Cotton Mills, S. C.	175	
	Newberry Cot. Mills, S. C	150	
	Ninety-Six Mills, S. C	225	
	Norris Cotton Mills, S. C	110	
	Oconee Mills, common	94	
	Oconee Mills, preferred	98	
	Der Cotton Mills, S. C	103	
	Panolat Mig. Co., S. C	100	
17.	Pagalat Mig. Co., S. C	100	
7	Polyan Men Co., S. C., plu	100	
	Pickens Cotton Mills S. C.	120	
14	Piedmont Mfg Co S C	163	
100	Laurens Cotton Mills, S. C. Limestone Cotton Mills, S. C. Lockhart Mills, S. C. Lockhart Mills, S. C. Lockhart Mills, N. C. common Loray Mills, N. C. common Loray Mills, N. C. lst pfd Marion Mfg. Co., N. C. Marlboro Mills, S. C. Mollohon Mfg. Co., S. C. Mollohon Mfg. Co., S. C. Mollohon Mfg. Co., S. C. Monarch Cotton Mills, S. C. Newberry Cot. Mills, S. C. Ninety-Six Mills, S. C. Norris Cotton Mills, S. C. Oconee Mills, common Oconee Mills, preferred Orr Cotton Mills, S. C. Pacolet Mfg. Co., S. C. Pacolet Mfg. Co., S. C. Pacolet Mfg. Co., S. C. Pickens Cotton Mills, S. C. Poe, F. W. Mfg. Co. Riverside Mills, S. C. Riverside Mills, S. C.	120	
	Riverside Mills, S. C., pfd	105	
	Roanoke Mills, N. C		
	Saxon Mills, S. C	130	
	Sibley Mfg. Co., aG	55	
	Spartan Mills, S. C	150	
	Toxaway Mills, S. C., pid	70	
	Toxaway Mills, S. C., pfd Tucapau Mills, S. C	270	
	Union-Buffalo Mills, 1st pfd	95	
%	Union-Bullaio Mills, 21 Did		
	Victor-Monaghan Mills Co. pf Victor-Monaghan Co., com	96	
	Victor-Monaghan Co., com	60	
	Victor-Monaghan Co., pfd	33	
	ware Shoals Mfg. Co., S. C.	103	
	warren Mig. Co., S. C	65	
4-	ware Shoals Mfg. Co., S. C. Warren Mfg. Co., S. C. Warren Mfg. Co., S. C., pfd. Watts Mills, S. C. Whitney Mfg. Co., S. C. Whitney Mfg. Co., S. C. Williamston Mills, S. C.	10	
05		10	
15	Williamston Wills S. C	110	STATE OF
90	Woodwiff Cotton Mills S. C.	125	ARC
	Woodside C Mills S C.	70	
	Williamston Mills, S. C Woodruff Cotton Mills, S. C. Woodside C. Mills, S. C., com Woodside C. Mills, pfd	4.45	
6050	THE PERSON WAS ARREST OF THE PARTY OF THE PA	The same of the	

Woodside Cotton Mills, g'td 90
W S Gray Cotton Mills, 150

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PERSONAL ITEMS.

Calhoun, Ga.

Charles L . Hamonock has accepted position as superintendent Echota Mills, Calhoun, Ga.

Charles Hart has resigned position s overseer of carding at Gate City Mills, College Park, Ga.

J. R. Moore has resigned as secretary of the Henrietta Mills at Henrietta and Caroleen, N. C., to become secretary and treasurer of the new Liberty Spinning Company at Shel-

Overseers Take Trip in Automobile.

W. D. Thornburg, overseer of carding; D. Ballard, overseer spinning and, J. E. Wright, overseers of slashing, warping, spooling, etc., at the Langley (S. C.) Mfg, Co., are spending a ten days' vacation taking an automobile trip through South Carolina and North Carolina.

They paid us a visit last week aft-driving to Cliffside, Henrietta, Shelby, and other mills in that sec-

Secretary Redfield Highly Commends Distinguished Service of R. M. Odell.

Ralph M. Odell, of Concord, N. C., vho as a commercial agent of the United States department of commerce, has spent the last six years in investigating the foreign markets for cottou goods, has resigned from the government service to go into other work. During the course of his travels Mr. Odell has visited Europe, the near East, northern, eastern and southern Africa. He only recently returned from a threeyears' trip to the far East where he spent one year in China, one year in British India, and one year the Straits Settlements. Dutch East Indies, Ceylon and Aus-

Mr. Odell has prepared detailed reports of the cotton goods trade in the countries visited and has sent back a large number of samples to show the kinds of cloth in demand. His reports are frequently used by cotton goods selling agents and ex porters in the trade. porters in the trade. They have been issued in separate monographs by the bureau of foreign and do-mestic commerce, Washington, under the following titles: goods in Spain and Portugal, cotton goods in Italy, cotton goods in Russia, cotton goods in the Balkan state, cotton goods in Turkey three parts), cotton goods in Red Sea markets, cotton goods in Egypt, cotton goods in British East Africa cotton goods in Portuguese East Africa, cotton goods in South Africa, cotton goods in China, cotton goods in the Straits Settlements, cotton goods in the Dutch East Indies. cotton goods in Ceylon, cotton goods in British India (in five parts). The reports on China and India contain chanters on the cotton manufactur-ing industries in these countries. It is not generally known that India is one of the leading cotton manufac-

turing countries in the world. There B. F. Barnes has resigned position mately 7,000,000 spindles and 119,-s superintendent of Echota Mills. 000 looms in British India; there are nearly three million spindles in the mills located in the city of Bombay

> Hon. William C, Redfield has sent the following letter to Mr. Odell: "My Dear Mr. Odell:

> 'I think it fit that after your long and successful service in the work of this department that you should have something more personal said to you than the mere formal acceplance of your withdrawal,
> "You have served this department

from March 1, 1911, to November 15, 1917, and during that time your efforts have covered Spain, Portu-Italy. Russia, Balkan States, Turkey, Egypt, Abyssinia, Dutch East Indies, Australia, British East Dutch Africa, German East Africa, Portuguese Africa, Uganda, Zanzibar, British South Africa, China, Federated Malay States, British India and Straits Settlements. Your work has been practical, efficient and fruitful. have carried the standard of t week aft- American commerce into all parts Henrietta, of the world where it was unknown before, and you have been yourself an active, courteous and effective representative of that commerce, I cannot let you go without expressing my appreciation of what you have been and what you have done I trust the government may have many more as faith-

ful servants as you have been.
"You withdraw to a well-carned I congratulate you upon it and while we are sorry to have you leave us we feel that you are doing rightly and are reaping a just reward for faithful work.

With very best wishes, I am, "Yours very truly, (Signed) "William C. Redfield," 'Secretary

"Mr. Ralph M. Odell, "Concord, North Carolina."

Mr. Odell has been granted three months' leave of absence in view of his long service and his resignation takes effect at the expiration of his leave. Mr. Odell has accepted the position of export manager of Am-ory-Brown Co., of New York, one of the large cotton goods commission

SHAMBOW SHUTTLE What shuttle you into the looms has a great deal to do in determining duction quality cloth th "Reshuttle w!th Shambews"

SHAMBOW SHUTTLE CO. WOODSTOCK, R. I.

YORKSHIRE GUM



A Soluble Gum to be used in Warp Sizing. It is especially valuable in this respect, as it combines readily with all starches, making a uniform size mixing. Besides making a smooth, pliable warp, users of Yorkshire Gum will find quite a reduction in shedding



and loom waste. For this reason we recommend it especially where drop wires are in use. This Gum also attracts moisture very readily and by so doing adds strength and elasticity to the yarn. giving the very best results in sizing, it is, at the same time, a most economical size. Should use Raw Tallow, Soluble Tallow, or Soluble Oil in addition.

TRIAL BARREL SENT ON APPROVAL. WRITE FOR FORMULA

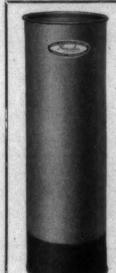
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SEAMLESS ROVING CANS

Write for Catalogue No. 21

Roving Cans, Barrels and Boxes. Cars and Trucks.

We can ship up to six car loads of 12 in. x 36 in. Cans upon receipt of order.

The largest line of Mill Receptacles.

SOUTHERN BRANCH

Fibre Specialty Manufacturing Co. 308 Masonic Temple, GREENVILLE, S. C.

Home Office and Factory, Kennett Square, Pa.



A Home at Massachusetts Mills.

This cut shows a flower garden at one of the attractive homes of the mill operatives at the Massachusetts Mills, Lindale, Ga. The Massachusetts Mills offer prizes and pay a great deal of attention to their flowers and mill gardens.

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R for . char ing year oour tives new and Phon

and 1

AMERICAN TEXTILE BANDING CO. Inc.

Spindlle Tape

Bandings



Hunting Park Avenue and Marshall Street.

PHILADELPHIA PA

St. Onge Adjustable Grid Bar

Removes 25% more dirt without loss of stock Plain bars or pin bars furnished

BROWN-ST. ONGE COMPANY

Providence, R. L.

CHARLOTTE, N C

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Soft Clean Gray Iron Castings Cast Iron Mill Spittoons Motor Pulley Castings

Cast Tooth Gears for Kitson Pickers Safety Guards for Kitson Pickers Loggerhead Castings for Pickers Doff Box Wheels and Stands

COCKER MACHINE AND FOUNDRY CO.

MACHINERY DEPARTMENT

GASTONIA.N. C.

The Jacquard Machine.

(Continued from page 17.)

able to a short one of larger diameter of the same weight, as the longer lingo is not so liable to become entangled. It is flattened at the top and a small hole drilled to receive the coupling. Sometimes a small ring or eatch is attached to answer the same purpose. The lingo should be no heavier than is necessary to keep the harness cords on good tension, as any excess in weight consumes power unnecessarily and causes heavy vibrations. Heaver lingoes are required for heavy warps than for light, They vary from 5 to 50 lingoes per pound, probably averaging 20 to 30 per pound. It is advisable to make crates for lingoes, especially for high speeds, these are divided into sections to break up the tendency to sway from side to side.

Sometimes heddles are used and mails, instead of couplings, these are somewhat like ordinary wire heddles, except somewhat shorter and the eyes smaller. Still another arrangement is to have a half heddle with a ring just below the warp eye for receiving the bot-tom coupling. However, the old style steel mail with linen couplings seems to give best satisfaction.

Rockingham, N. C-Steele's Mills now operating their additions for which \$300,000 has been expendin connection with general changes and reorganization, according to plans announced early this year. The daily capacity is 7,000 pounds of print cloth and 300 opera-tives are employed. This company's tives are employed. new weave shed cost \$50,000 and it is 11/2 stories high by 285 feet long and 175 feet wide, built by T. C. Thompson & Bros., of Charlotte Its additional machinery includes 312 60-inch looms, constructed by machines and other preparatory apthe Draper Co., of Lowell, Mass., paratus furnished by the Saco-Lowand 12,000 spindles with 30 carding ell Shops, of Lowell, Mass.

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Difficult and rejected cases specially solicited. No m.sleading inducements made to secure business. Over thirty made to secure business. Over thirty years active practice. Experienced, personal, conscientious service.

Write for terms. Address

SIGGERS & SIGGERS

Suite 34 N. U. Washington, D.C.

Help Wanted.

For the Beverly Cotton Mills, Middleton, Ga., weavers for fifty light duck looms. Also spinners, spoolers, and winder hands. The best wages of any mill in Georgia.

Carding and Spinning Help.

You that are looking for a healthy place to live apply to G. A. Lay, Supt. Capitola Mfg. Co., Marshail, N. C., He is needing carding and spinning room help, pay spinners 15c per side, speeder hands 8 1-2c per hank on 5 1-4 hank roving.

Attention? Attention? Attention?

CAPABLE MILL MANAGER WITH BROAD EXPERIENCE IN THE MANUFACTURE OF YARNS AND ALL KINDS OF CLOTH DESIRES TO MEET CONFIDEN-TIALLY ANY MILL OWNER WISHING TO SECURE THE SERVICES OF A LIVE WIRE TO MANAGE EITHER A LARGE MILL OR A GROUP OF MILLS. ADDRESS "EFFICIENCY," CARE BULLETIN.

Want Department

Want Advertisements.

If you are needing men for any position or have second hand ma-chinery, etc., to sell the want col-umns of the Southern Textile Bulletin affords the best medium for

advertising the fact.

Advertisements placed with us reach all the mills and show results.

Employment Bureau.

ment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joints our employment bureau, but we do give them the best service of any employment bureau connected with the Southern textile industry.

Men Wanted.

Want two section first-class men for small sections at \$2.00

One first-class warper tender for beam warpers. Can make \$13 \$15 per week.

One or two first-class creelers at \$9.00 per week.

None but good other help for mill need apply.
Address "Spinner," care Southern Textile Bulletin.

Knitters Wanted.

Want experienced knitters on Wildman ribbers. Best of wages paid to reliable help. Address Box 218, St. Pauls, N. C.

Overseer of Cloth Room.

for single filling duck mill. Must be accurate and neat in his work. Address "Cloth Room," care Southern Textile Bulletin.

Wanted.

A good settled man to teach band with 18 instruments and work in mill. Will pay salary teaching band, in addition to his regular pay. Address W. Y. Har-Covington Mills. Covington, Ga.

Loom Fixers Wanted.

Wanted.-One loom fixer for Crompton & Knowles and Lowell looms making 36-in. Sheetings Will pay good man \$2.30 per day. Man with family preferred. Come at once or write to I. N. Dunn, Supt., Bamberg Cotton Mills Co., Bamberg, S. C.

Operatives Wanted.

Wanted for mills now start-ing at Tarboro, N. C., families containing spinners, spoolers, containing spinners, spoolers, winders and doffers, also a few and speeder slubber and speeder hands. Plenty of good houses, free grad-ed schools, churches of all denominations. Letters from above named help will receive prompt attention. Write T. A. Shipp, Supt. Tarboro, N. C.

Twisters For Sale.

our Twisters in good condition, 144 spindles each. 3 3-4 gauge, 2 3-4 rings, 6-inch tra-Can be seen in action in N. C. mill. Address N. C., care Textile Bulletin.

Spinners Wanted.

Wanted—A few spinners, 30 cents per side, good spinners run seven to eight sides. Twister hands make good wages; also Duck Weavers make \$3.00 per night, \$2.50 per day. The best running work, and the best job in the South. Come or write. Beverley Cotton Mills, Middleton. Georgia.

WANTED

Carding Room Help for Night Work

Good running work, all combed.

Good wages, with 10 per cent bonus for full time.

Sleeping room equipped with electric fans.

Address

Amazon Cotton Mills

Thomasville, N. C.

- of small mill or overseer of large spinning room. Can refer to past employers as to my reliability. Address No. 1995.
- 'ANT' position as overseer of weaving. Have 16 years' experi-ence as overseer and second-hand in large rooms and am first class Draper man. Age 38. Can furnish fine references. Address No.
- WANT position as overseer of spin-Am considered expert my line and have never failed on any job. Can get quality and production. Address No. 1997.
- A FIRST CLASS man, 30 years of age, desires a position as office manager, experienced mostly in want position as overseer of card-manufacture of knit goods. Coming or second-hand in large mill petent organizer and systematizer. At present employed. Can furnish best of references from large mills. Address No. 1987.
- WANT position as overseer of carding or superintendent. experience, especially on ers and can furnish high combers and can Address No. references. 1998.
- WANT position as superintendent or overseer of carding and spinning. Have 10 years' experience as overseer in large mills and 7 experience as superintendent. Have had nearly 5 years' experience on double carded yarns. Have more than made good on present position but for good reason desire to change. Fine references. Address No. 1988.
- WANT position as overseer of spin-Am now employed as overseer of spinning but would like to change. Age 29, have had 6 years' experience as overseer. good references. Address No. WANT position as superintendent
- WANT position as carder or spinner ner in large mill or carding and spinning in small mill. Married, strictly sober and can furnish high class references from large and successful mills in which I have been employed in the past. Address No. 1990.
- WANT position as superintendent of yarn mill or as carder and spinner. Have had special expe rience on yarns and can furnish good references, Address No.
- WANT position as superintendent or overseer of carding and spinning. Am now filling position as carder and spinner in large mill and giving entire satisfaction but wish to change for good reason, Address No. 1999.
- WANT position as master mechanic. Have 15 years experience in and around cotton mills, steam and electric plants. 40 years experience as chief engineer and mas-ter mechanic. Can give best of references from past and present employers. Would only change for a larger mill. Address 2,000.

- WANT position as superintendent WANT position as engineer or machinist. Have had long experience in cotton mill and machinist work and can furnish high class refer-Address No. 2001.
 - WANT position as superintendent or carder in large mill. Now employed as overseer of carding and giving entire satisfaction. furnish first class mills as reference to ability and character, Address No. 2002.
 - WANT position as overseer of spinning in large mill. Have had long experience and am now employed overseer. Can furnish best of reference and change on short no-tice. Strictly sober and good manager of help. Address No. 2003.
 - ing or second-hand in large mill. Am employed as overseer of carding in a small mill at present but would consider second-hand large mill. Fine references. A dress No. 2004.
 - WANT position as overseer of carding or superintendent. Long experience and good references. Address No. 2005.
 - WANT position as superintendent or as overseer of carding in large mill. Have had long experience and have handled large card rooms in successful mills. Can furnish high class references. Address No. 2006.
 - WANT position as superintendent. Am now employed as superintendent and giving entire satisfaction but wish to change to larger mill. Have successfully handled large mills in the past. Address
 - Have had long practical experience as carder and spinner in first class mills and can furnish high Address references.
 - WANT position as overseer of carding. Am experienced on carding and combing and am now employ-Am experienced on carding in one of the most successful mills in the South as overseer of carding but prefer to change. Can furnish high class references Address No. 2009,
 - WANT position as superintendent or as overseer of weaving. Have had long experience in both positions and can furnish high class references from former and present employers. Address No. 2010.
 - WANT position as overseer of spinning and winding. Am now employed as carder and spinner but want larger room. Age 28, mar-ried and can give hest of referen-ces. Address No. 2011.
 - WANT position as superintendent or overseer of carding. Long experience as carder and can furnish high class references. dress No. 2012.

Less Waste—Cleaner Yarns

Atherton Adjustable Pin Grids

most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today. One Corporation in your vicinity placed order for 175 equipments.

Atherton Adjustable Knife Bar

with DOUBLE STRIKING EDGE, recently patented. Like beater blade, when one edge becomes dull reverse the bar. Twice the life.

Atherton Pin Grid Bar Company

Greenville, S.C.

Providence. R. I.

THE MARK OF STERLING VALUE IN ELECTRICAL



HUNTINGTON & GUERRY GREENVILLE, S. C.

- WANT position as superintendent of either cotton mill or finishing plant. Have had long practical experience on both positions on white and colored goods and can furnish high class references, including present employers. Would only consider changing for larger salary. Address No. 2013.
- WANT position as overseer of spinning. Have had long experince and can obtain good results. Married, age 31, good references. Address No. 2014.
- WANT position as superintendent WANTED Position as superintendent of either cotton mill or finishing tendent of a varn or plain wash plant. Have had long practical experience in both positions on white and colored goods and can furnish high class references, cluding present employers. Would only consider changing for larger salary. Address No. 2013.
- WANT position as overseer of spin-ning. Have had long experience and can obtain good results. Married, age 31, good references. Address No. 2014,
- WANT position as overseer of weaving. Have had long practi-cal experience and am now employed, but for good reason would like to change. Can furnish best of references. Address No. 2015.
- WANT position as superintendent or as overseer of carding. Am now employed as overseer of carding but have had experience as superintendent and always made good. Good references, Address No. 2016.

- WANT position as superintendent. Am now employed as superintendent of small mill on coarse goods and have had experience in large mills and have experience and ability to operate larger mill than have at present.
- WANT positio nas master mechanic. Am experienced on steam plant with or without water power and have about 5 years experience as machinist and engineer. High references. Address
- tendent of a yarn, or plain weaving mill where quality-quantity, and the mill kept in first class condition woul dbe appreciated. Am especially experienced on combed yarns, 14s to 120s, have 19 years experience in mill, seven as overseer, two years as superintendent. Also have diploma from I. C. S. of Scranton, Pa. Am at present employed as superintendent of 15,000 spindle mill on combed yarns. Married, age 31; references from past and present employers. Address No. 2021.
- WANT position as overseer of carding or carding and spinning. Have had long experience in both positions and can give satisfaction on any size job. Fine references. Address No. 2020.

ELIGH WILL FALSE GEOGRAPH SUI CALL LICE

VANT position as superintendent of either yarn or plain mill or as carder and spinner. Am now em-ployed and giving satisfaction and had long experience on both carding and spinning. Go erences. Address No. 2019. Good ref-

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In selecting a location for your plant you should keep in mind that proximity to raw material, proximity to markets, transportation facilities, low cost of power, abundance of labor, efficiency of labor and economical living conditions for that labor are the sine qua non of

The Seaboard Air Line Rai way Company will place at your disposal, without cost, a man who will personally help solve your problem and call to your attention the most advantageous locations.

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PROPER LOCATIONS FOR MILLS

United States Census figures show that since 1880 the consumption of cotton in mills of the cotton growing States has increased 1,502 per cent, as compared with an increase of only 93 per cent in all other states. In the twelve months ended August 31, 1916 Southern mills consumed 675.731 more bales of cotton than the mills of all other States. Three-fourths, or 9,000,000, of the total cotton spindles in all the cotton growing States are tributary to Southern Railway tracks. Of the 200 knitting mills in the South over 125 are located along the Southern Railway. All the Southern woolen and silk mills are also on Southern Railway. All the Southern woolen and silk mills are also on Southern Railway tracks.

There is a reason for this, and it is not difficult to understand.

The Southern Railway Lines enter and serve most completely these portions of the South where the textile industry is the greatest success, because there are found all the conditions which makes for successful manufacture—the proper transportation facilities, the ease with which the raw material and the needed fuel may be secured, the supply of good labor, the pure water, the low cost of power, and favorable local conditions.

Not only for textile plants but for all other industries the best advantages will be found in this territory.

If you have a plant to locate, let us take up with you the question of the proper location. Your plans will be held confidential. Our knowledge of conditions at various points and our experience in locating other mills and the time of our agents in making special investigations are at your service if desired.



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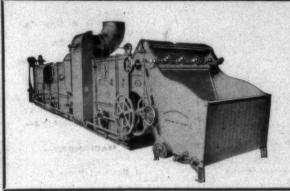
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